

GenCore version 5.1.3  
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OM protein - nucleic search, using frame\_plus\_p2n model

Run on: January 16, 2003, 12:47:23 Search time: 17.1429 seconds  
(without alignments)  
89.447 Million cell updates/sec

Title: US-09-856-070-16

Patent score: 25

Sequence: 1 EPEKE 5

Scoring table:

PROSUM62  
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Ygapop 10.0, Ygapext 0.5  
Fgapop 6.0, Fgapext 7.0  
Delop 6.0, Delext 7.0

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 981724

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Command line parameters:

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-DB-Issued\_Patents\_NA -QEXT-lastap -SUFFIX-rni -MINMATCH-0.1 -LOOPCL-0  
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-YGAPOP=10 -YGAPEXT=0.5 -DELop=6 -DELEXT=7

Database: Issued\_Patents\_NA \*

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2: /cgn2\_1/seqdata/2/ina/5B.COMB.seq \*  
3: /cgn2\_1/seqdata/2/ina/6A.COMB.seq \*  
4: /cgn2\_1/seqdata/2/ina/6B.COMB.seq \*  
5: /cgn2\_1/seqdata/2/ina/PCBUS.COMB.seq \*  
6: /cgn2\_1/seqdata/2/ina/backfiles.seq \*

pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	25	100.0	22	US-08-291-011-9	Sequence 9, Appl
2	25	100.0	22	US-08-538-711A-19	Sequence 19, Appl
3	25	100.0	22	US-08-725-027-19	Sequence 19, Appl
4	25	100.0	22	US-09-266-065-9	Sequence 9, Appl
5	25	100.0	25	US-09-315-794-47	Sequence 47, Appl
6	25	100.0	25	US-09-389-341-47	Sequence 47, Appl
7	25	100.0	68	US-09-281-481A-5	Sequence 5, Appl
8	25	100.0	214	US-08-332-766A-48	Sequence 38, Appl
9	25	100.0	243	US-07-922-723A-48	Sequence 9, Appl
10	25	100.0	243	US-07-799-828C-9	Sequence 9, Appl
11	25	100.0	243	US-08-074-275-9	Sequence 9, Appl
12	25	100.0	243	US-08-480-365-9	Sequence 9, Appl

13	25	100.0	243	2	US-07-952-277A-9	Sequence 9, Appl
14	25	100.0	250	1	US-08-480-552-16	Sequence 16, Appl
15	25	100.0	250	3	US-08-929-208-16	Sequence 16, Appl
16	25	100.0	250	4	US-09-568-315-16	Sequence 16, Appl
17	25	100.0	278	2	US-08-332-766A-42	Sequence 42, Appl
18	25	100.0	301	2	US-08-332-766A-23	Sequence 23, Appl
19	25	100.0	325	2	US-08-332-766A-11	Sequence 11, Appl
20	25	100.0	393	2	US-08-332-766A-3	Sequence 3, Appl
21	25	100.0	369	1	US-08-361-806A-3	Sequence 3, Appl
22	25	100.0	369	5	US-08-361-806A-3	Sequence 3, Appl
23	25	100.0	370	2	US-08-332-766A-8	Sequence 8, Appl
24	25	100.0	372	4	US-09-018-584A-13	Sequence 13, Appl
25	25	100.0	472	2	US-08-623-906A-18	Sequence 18, Appl
26	25	100.0	383	4	US-09-155-942-5	Sequence 5, Appl
27	25	100.0	387	1	US-08-222-177A-44	Sequence 44, Appl
28	25	100.0	403	4	US-08-905-223-179	Sequence 179, Appl
29	25	100.0	428	4	US-09-641-638-497	Sequence 497, Appl
30	25	100.0	434	4	US-09-397-787-301	Sequence 301, Appl
31	25	100.0	445	4	US-09-397-787-301	Sequence 301, Appl
32	25	100.0	440	4	US-09-397-787-301	Sequence 301, Appl
33	25	100.0	468	4	US-08-943-731-121	Sequence 121, Appl
34	25	100.0	494	2	US-08-332-766A-22	Sequence 22, Appl
35	25	100.0	507	4	US-08-991-780A-253	Sequence 253, Appl
36	25	100.0	507	4	US-08-991-780A-253	Sequence 253, Appl
37	25	100.0	525	4	US-08-817-441-97	Sequence 97, Appl
38	25	100.0	540	4	US-08-793-109-13	Sequence 13, Appl
39	25	100.0	545	4	US-09-328-111-505	Sequence 505, Appl
40	25	100.0	556	4	US-09-018-584A-25	Sequence 25, Appl
41	25	100.0	597	2	US-08-332-766A-19	Sequence 19, Appl
42	25	100.0	600	2	US-08-679-217-1	Sequence 1, Appl
43	25	100.0	600	4	US-08-793-109-13	Sequence 13, Appl
44	25	100.0	607	4	US-09-385-982-239	Sequence 239, Appl
45	25	100.0	621	4	US-09-328-111-505	Sequence 505, Appl

#### ALIGNMENTS

#### RESULT 1

US-08-291-011-9/c  
Sequence 9, Affiliation US/08-291-011  
Patent No. 5936079  
GENERAL INFORMATION:  
APPLICANT: Re. Richard N.  
APPLICANT: Cook, Julia  
TITLE OF INVENTION: INHIBITION OF CELLULAR PROLIFERATION BY  
TITLE OF INVENTION: OLIGONUCLEOTIDE BINDING TO A CHROMOSOMAL BINDING SITE FOR  
TITLE OF INVENTION: p53 PROTEIN  
NUMBER OF SEQUENCES: 13  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: SCULLY, SCOTT, MURPHY & PRESSER  
STREET: 400 Garden City Plaza  
CITY: Garden City  
STATE: New York  
COUNTRY: USA  
ZIP: 11530  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
AFFILIATION NUMBER: US-08-291-011  
FILING DATE: 15-AUG-1994  
CLASSIFICATION: 514  
ATTORNEY/AGIN: INFORMATION:  
NAME: DiGiulio, Frank S.  
REGISTRATION NUMBER: 31,346  
REFERENCE/DOCKET NUMBER: 85152Y  
TELEPHONE: (516) 742-4343  
TELEFAX: (516) 742-4366  
TELEX: 230 931 SANS UP  
INFORMATION SEE SEQ ID NO: 9;

SEQUENCE CHARACTERISTICS:  
 LENGTH: 22 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: DNA (genomic)  
 US-08-291-011 9

Alignment Scores:  
 Pred. No.: 25.5 Length: 22  
 Score: 25.00 Matches: 5  
 Percent Similarity: 100.00% Conservative: 0  
 Best Local Similarity: 100.00% Mismatches: 0  
 Query Match: 100.00% Indels: 0  
 Gaps: 0

US-09-856-070-16 (1-5) x US-08-291-011-9 (1-22)

QY 1 GluArqGluLysGlu 5  
 |||||  
 DB 22 GAGAGACAAAAGGAA 8

## RESULT 2

US-08-538-711A 19  
 : Sequence 19, Application US/08538711A  
 : Patent No. 5994062

## GENERAL INFORMATION:

APPLICANT: MULSHINE, JAMES, L.  
 TITLE OF INVENTION: AN EPITHELIAL PROTEIN AND  
 : THEREOF FOR USE IN EARLY CANCER DETECTION  
 :  
 : NUMBER OF SEQUENCES: 23  
 : CORRESPONDENCE ADDRESS:  
 : ADDRESSEE: MORGAN & FINNEGAN, L.L.P.  
 : STREET: 345 PARK AVENUE  
 : CITY: NEW YORK  
 : STATE: NEW YORK  
 : COUNTRY: USA  
 : ZIP: 10154

COMPUTER READABLE FORM:  
 MEDIUM TYPE: FLOPPY DISK  
 COMPUTER: IBM PC COMPATIBLE  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: ASCII  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/538,711A  
 FILING DATE: 02-OCT-1995  
 CLASSIFICATION: 435  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER:  
 FILING DATE:

ATTORNEY/AGENT INFORMATION:  
 NAME: KATHRYN M. BROWN  
 REGISTRATION NUMBER: 34,556  
 REFERENCE/DOCKET NUMBER: 2026-4201  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (212) 758-4800  
 TELEFAX: (212) 751-6849  
 INFORMATION FOR SEQ ID NO: 19:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 22  
 TYPE: nucleic acid  
 STRANDEDNESS: Unknown  
 TOPOLOGY: Linear

MOLECULE TYPE: other nucleic acid  
 ANTI-SENSE: YES

US-08-538-711A 19

Alignment Scores:  
 Pred. No.: 25.5 Length: 22  
 Score: 25.00 Matches: 5  
 Percent Similarity: 100.00% Conservative: 0  
 Best Local Similarity: 100.00% Mismatches: 0  
 Query Match: 100.00% Indels: 0

DB: 2 Gaps: 0

US-09-856-070-16 (1-5) x US-08-538-711A-19 (1-22)

QY 1 GluArqGluLysGlu 5  
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 DB 1 GAGACAAAAGGAA 15

## RESULT 3

US-08-725-027-19  
 : Sequence 19, Application US/08725027  
 : Patent No. 6251586

## GENERAL INFORMATION:

APPLICANT: MULSHINE, JAMES, L.  
 APPLICANT: TORKMAN, MELVIN, S.  
 TITLE OF INVENTION: AN EPITHELIAL PROTEIN AND  
 : THEREOF FOR USE IN EARLY CANCER DETECTION  
 :  
 : NUMBER OF SEQUENCES: 23  
 : CORRESPONDENCE ADDRESS:  
 : ADDRESSEE: MORGAN & FINNEGAN, L.L.P.  
 : STREET: 345 PARK AVENUE  
 : CITY: NEW YORK  
 : STATE: NEW YORK  
 : COUNTRY: USA  
 : ZIP: 10154

COMPUTER READABLE FORM:  
 MEDIUM TYPE: FLOPPY DISK  
 COMPUTER: IBM PC COMPATIBLE  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: ASCII  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/725,027  
 FILING DATE: 02-OCT-1996  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US08/538,711  
 FILING DATE: 02-OCT-1995

ATTORNEY/AGENT INFORMATION:  
 NAME: KATHRYN M. BROWN  
 REGISTRATION NUMBER: 34,556  
 REFERENCE/DOCKET NUMBER: 2026-4201051  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (212) 758-4800  
 TELEFAX: (212) 751-6849  
 INFORMATION FOR SEQ ID NO: 19:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 22  
 TYPE: nucleic acid  
 STRANDEDNESS: Unknown  
 TOPOLOGY: Linear  
 MOLECULE TYPE: other nucleic acid  
 ANTI-SENSE: YES

US-08-725-027-19

Alignment Scores:  
 Pred. No.: 25.5 Length: 22  
 Score: 25.00 Matches: 5  
 Percent Similarity: 100.00% Conservative: 0  
 Best Local Similarity: 100.00% Mismatches: 0  
 Query Match: 100.00% Indels: 0  
 Gaps: 0

US-09-856-070-16 (1-5) x US-08-725-027-19 (1-22)

QY 1 GluArqGluLysGlu 5  
 |||||  
 DB 1 GAGACAAAAGGAA 15

## RESULT 4

US-09-856-065-9/c  
 : Sequence 9, Application US/09266065  
 : Patent No. 6303328

## GENERAL INFORMATION:

APPLICANT: Re, Richard N.

APPLICANT: Cook, Julia  
TITLE OF INVENTION: INHIBITION OF CELLULAR PROLIFERATION BY  
TITLE OF INVENTION: OLIGONUCLEOTIDE BINDING TO A CHROMOSOMAL BINDING SITE FOR  
NUMBER OF SEQUENCES: 13  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: SCULLY, SCOTT, MURPHY & PRESSER  
STREET: 400 Garden City Plaza  
CITY: Garden City  
STATE: New York  
COUNTRY: USA  
ZIP: 11530  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/266,065  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/291,011  
FILING DATE: 15-AUG-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: DIGILIGO, FRANK S.  
REGISTRATION NUMBER: 31,346  
REFERENCE/DOCKET NUMBER: 85152Y  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (516) 742-4343  
TELEFAX: (516) 742-4366  
TELEX: 230 901 SANS DR  
INFORMATION FOR SEQ ID NO: 9:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 22 base pairs  
TYPE: nucleic acid  
STRADEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
US-09-266-065-9  
Alignment Scores:  
Pred. No.: 25.5 Length: 22  
Score: 25.00 Matches: 5  
Percent Similarity: 100.00% Conservative: 0  
Best Local Similarity: 100.00% Mismatches: 0  
Query Match: 100.00% Indels: 0  
DB: 4 Gaps: 0  
US-09-856-070-16 (1-5) x US-09-266-065-9 (1-22)  
QY 1 GluArgGluIysGlu 5  
Db 22 GAAAGAGAAAAGAA 8  
RESULT 5  
US-09-315-794-47/c  
Sequence 47, Application US/09315794  
Patent No. 6197517  
GENERAL INFORMATION:  
APPLICANT: ROBERTS, Christopher J.  
TITLE OF INVENTION: ESSENTIAL GENES OF YEAST AS TARGETS FOR ANTIFUNGAL  
TITLE OF INVENTION: AGENTS, HERBICIDES, INSECTICIDES AND ANTI-PROLIFERATION  
FILE REFERENCE: 9301-053  
CURRENT APPLICATION NUMBER: US/09/315-794  
CURRENT FILING DATE: 1999-05-21  
NUMBER OF SEQ ID NOS: 64  
SOFTWARE: Patent In Ver. 2.0  
SEQ ID NO 47  
LENGTH: 25  
TYPE: DNA  
ORGANISM: Artificial Sequence

FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: primer  
US-09-315-794-47  
Alignment Scores:  
Pred. No.: 29.1 Length: 25  
Score: 25.00 Matches: 5  
Percent Similarity: 100.00% Conservative: 0  
Best Local Similarity: 100.00% Mismatches: 0  
Query Match: 100.00% Indels: 0  
DB: 4 Gaps: 0  
US-09-856-070-16 (1-5) x US-09-315-794-47 (1-25)  
QY 1 GluArgGluIysGlu 5  
Db 19 GAGACAGAAAAGGAG 5  
RESULT 6  
US-09-389-341-47/c  
Sequence 47, Application US/09389341  
Patent No. 6200803  
GENERAL INFORMATION:  
APPLICANT: Roberts, Christopher J.  
TITLE OF INVENTION: ESSENTIAL GENES OF YEAST AS TARGETS FOR ANTIFUNGAL  
TITLE OF INVENTION: AGENTS, HERBICIDES, INSECTICIDES AND ANTI-PROLIFERATIVE  
FILE REFERENCE: 9301-057  
CURRENT APPLICATION NUMBER: US/09/389,341  
CURRENT FILING DATE: 1999-09-02  
EARLIER APPLICATION NUMBER: 09/315,794  
EARLIER FILING DATE: 1999-05-21  
NUMBER OF SEQ ID NOS: 72  
SOFTWARE: Patent In Ver. 2.0  
SEQ ID NO 47  
LENGTH: 25  
TYPE: DNA  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: primer  
US-09-389-341-47  
Alignment Scores:  
Pred. No.: 29.1 Length: 25  
Score: 25.00 Matches: 5  
Percent Similarity: 100.00% Conservative: 0  
Best Local Similarity: 100.00% Mismatches: 0  
Query Match: 100.00% Indels: 0  
DB: 4 Gaps: 0  
US-09-856-070-16 (1-5) x US-09-389-341-47 (1-25)  
QY 1 GluArgGluIysGlu 5  
Db 19 GAGACAGAAAAGGAG 5  
RESULT 7  
US-09-281-481A-5/c  
Sequence 5, Application US/09281481A  
Patent No. 6383747  
GENERAL INFORMATION:  
APPLICANT: DAWKINS, Roger L. and ARPAHAM, Lawrence J.  
TITLE OF INVENTION: GENETIC ANALYSIS  
NUMBER OF SEQUENCES: 22  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: SCULLY SCOTT MURPHY & PRESSER  
STREET: 400 GARDEN CITY PLAZA  
CITY: GARDEN CITY  
STATE: NEW YORK  
COUNTRY: UNITED STATES OF AMERICA  
ZIP: 11530-0299  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk

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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA: US/09/281,481A
APPLICATION NUMBER: US/09/281,481A
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/893,971
FILING DATE: 16-JUL-1997
APPLICATION NUMBER: US 232,229
FILING DATE: 29-APR-1994
APPLICATION NUMBER: PK9279 (AU)
FILING DATE: 01-NOV-1991
APPLICATION NUMBER: PCT/AU92/00583
FILING DATE: 30-OCT-1992
ATTORNEY/AGENT INFORMATION:
NAME: DIGIGLIO, FRANK S
REFERENCE/DOCKET NUMBER: 9276
TELECOMMUNICATION INFORMATION:
TELEPHONE: 516 742 4343
TELEFAX: 516 742 4366
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 58 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
US 09 281-481A-5

Alignment Scores:
Pred. No.: 68.8 Length: 58
Score: 25.00 Matches: 5
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0

US-09-856-070-16 (1-5) x US-09-281-481A 5 (1-58)
QY 1 GUAAGGluLysGlu 5
DB 50 GAGAGAGAGAGAGAG 36

RESULT 8
US 08-332-766A-48/c
Sequence 48, Application US/08332766A
Patent No. 5843647
GENERAL INFORMATION:
APPLICANT: JEFFREYS, Alec J.
TITLE OF INVENTION: SIMPLE TANDEM REPEATS
NUMBER OF SEQUENCES: 125
CORRESPONDENCE ADDRESS:
ADDRESSEE: CUSIMAN DARRY & CUSIMAN, L.L.P.
STREET: 1100 New York Avenue, N.W.
CITY: Washington
STATE: D. C.
COUNTRY: U.S.A.
ZIP: 20005-4918
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/332,766A
FILING DATE: 01-NOV-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9326052.9
FILING DATE: 21-DEC-1993

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ATTORNEY/AGENT INFORMATION:
NAME: BIRD, Donald J.
REGISTRATION NUMBER: 25,323
REFERENCE/DOCKET NUMBER: 217211/M94/0434/GH
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 861-3000
TELEFAX: (202) 822-0944
TELEX: 6714627 GUSH
INFORMATION FOR SEQ ID NO: 38:
SEQUENCE CHARACTERISTICS:
LENGTH: 213 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-332-766A-38

Alignment Scores:
Pred. No.: 260 Length: 213
Score: 25.00 Matches: 5
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 2 Gaps: 0

US-09-856-070-16 (1-5) x US-08-332-766A-38 (1-213)
QY 1 GUAAGGluLysGlu 5
DB 180 GAAAGAGAGAGAGAG 166

RESULT 9
US-07-922-723A-9
Sequence 9, Application US/07922723A
Patent No. 5369004
GENERAL INFORMATION:
APPLICANT: Drs. Michael H. Polymeropoulos
and Carl R. Merril
TITLE OF INVENTION: FIVE HIGHLY INFORMATIVE
TITLE OF INVENTION: REPEAT POLYMORPHIC DNA MARKERS
NUMBER OF SEQUENCES: 73
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lowe, Price, LeBlanc & Becker
STREET: Suite 300, 99 Canal Center Plaza
CITY: Alexandria
STATE: Virginia
COUNTRY: USA
ZIP: 22314
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: DOS Text File
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/97/922,723A
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: D.J. Mills
REGISTRATION NUMBER: 34506
REFERENCE/DOCKET NUMBER: 717081B
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703 684 1111
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 243
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-07-922-723A-9

Alignment Scores:

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Pred. No.: 298 length: 243  
 Score: 25.00 Matches: 5  
 Percent Similarity: 100.00% Conservative: 0  
 Best Local Similarity: 100.00% Mismatches: 0  
 Query Match: 100.00% Indels: 0  
 DB: 1 Caps: 0

US-09-856-070-16 (1-5) x US-07-922-723A 9 (1-243)

QY 1 GluAqGluLysGlu 5  
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 DB 104 GAGAGAGAGAAAGAA 118

RESULT 10

US-07-799-828C-9  
 : Sequence 9, Application US/07799828C  
 : Patent No. 5378602  
 : GENERAL INFORMATION:

: APPLICANT: Drs. Carl R. Merrill and  
 : APPLICANT: Mihail H. Polymetopoulos  
 : TITLE OF INVENTION: TWENTY SEVEN HIGHLY INFORMATIVE  
 : TITLE OF INVENTION: MICROSATELLITE REPEAT  
 : NUMBER OF SEQUENCES: 63  
 : CORRESPONDENCE ADDRESS:  
 : ADDRESSEE: Lowe, Price, LeBlanc & Becker  
 : STREET: Suite 300, 99 Canal Center Plaza  
 : CITY: Alexandria  
 : STATE: Virginia  
 : COUNTRY: USA  
 : ZIP: 22314

: COMPUTER READABLE FORM:  
 : MEDIUM TYPE: Floppy disk  
 : COMPUTER: IBM PC compatible  
 : OPERATING SYSTEM: PC-DOS/MS-DOS  
 : SOFTWARE: DOS Text File  
 : CURRENT APPLICATION DATA:  
 : APPLICATION NUMBER: US/07799,828C  
 : FILING DATE: 19911127  
 : CLASSIFICATION: 435  
 : ATTORNEY/AGENT INFORMATION:

: NAME: D. J. Mills  
 : REGISTRATION NUMBER: 34,506  
 : REFERENCE/DOCKET NUMBER: 717081A  
 : TELECOMMUNICATION INFORMATION:

: TELEPHONE: 703 684 1111  
 : INFORMATION FOR SEQ ID NO: 9:  
 : SEQUENCE CHARACTERISTICS:

: LENGTH: 243  
 : TYPE: NUCLEIC ACID  
 : STRANDEDNESS: single  
 : TOPOLOGY: linear  
 : MOLECULE TYPE: DNA (genomic)  
 : US-07-799-828C-9

Alignment Scores:  
 Pred. No.: 298 length: 243  
 Score: 25.00 Matches: 5  
 Percent Similarity: 100.00% Conservative: 0  
 Best Local Similarity: 100.00% Mismatches: 0  
 Query Match: 100.00% Indels: 0  
 DB: 1 Caps: 0

US-09-856-070-16 (1-5) x US-07-799-828C-9 (1-243)

QY 1 GluAqGluLysGlu 5  
 |||||  
 DB 104 GAGAGAGAGAAAGAA 118

RESULT 11

US-08-074-275-9  
 : Sequence 9, Application US/08074275  
 : Patent No. 5468610

: GENERAL INFORMATION:  
 : APPLICANT: Drs. Carl R. Merrill and  
 : APPLICANT: Mihail H. Polymetopoulos  
 : TITLE OF INVENTION: THREE HIGHLY INFORMATIVE REPEAT  
 : TITLE OF INVENTION: POLYMORPHIC DNA MARKERS  
 : NUMBER OF SEQUENCES: 9  
 : CORRESPONDENCE ADDRESS:  
 : ADDRESSEE: Lowe, Price, LeBlanc & Becker  
 : STREET: Suite 300, 99 Canal Center Plaza  
 : CITY: Alexandria  
 : STATE: Virginia  
 : COUNTRY: USA  
 : ZIP: 22314

: COMPUTER READABLE FORM:  
 : MEDIUM TYPE: Floppy disk  
 : COMPUTER: IBM PC compatible  
 : OPERATING SYSTEM: PC-DOS/MS-DOS  
 : SOFTWARE: DOS Text File  
 : CURRENT APPLICATION DATA:  
 : APPLICATION NUMBER: US/08/074,275  
 : FILING DATE:  
 : CLASSIFICATION: 435  
 : PRIOR APPLICATION DATA:  
 : APPLICATION NUMBER: US/07707,501  
 : FILING DATE:  
 : ATTORNEY/AGENT INFORMATION:

: NAME: J.G. Mullins  
 : REGISTRATION NUMBER: 33073  
 : REFERENCE/DOCKET NUMBER: 717081  
 : TELECOMMUNICATION INFORMATION:  
 : TELEPHONE: 703 684 1111

: INFORMATION FOR SEQ ID NO: 9:  
 : SEQUENCE CHARACTERISTICS:  
 : LENGTH: 243  
 : TYPE: nucleic acid  
 : STRANDEDNESS: single  
 : TOPOLOGY: linear  
 : MOLECULE TYPE: DNA (genomic)  
 : US-08-074-275-9

Alignment Scores:  
 Pred. No.: 298 length: 243  
 Score: 25.00 Matches: 5  
 Percent Similarity: 100.00% Conservative: 0  
 Best Local Similarity: 100.00% Mismatches: 0  
 Query Match: 100.00% Indels: 0  
 DB: 1 Gaps: 0

US-09-856-070-16 (1-5) x US-08-074-275-9 (1-243)

QY 1 GluAqGluLysGlu 5  
 |||||  
 DB 104 GAGAGAGAGAAAGAA 118

RESULT 12

US-08-480-366-9  
 : Sequence 9, Application US/08480366  
 : Patent No. 572100  
 : GENERAL INFORMATION:

: APPLICANT: Drs. Carl R. Merrill and  
 : APPLICANT: Mihail H. Polymetopoulos  
 : TITLE OF INVENTION: THREE HIGHLY INFORMATIVE REPEAT  
 : TITLE OF INVENTION: POLYMORPHIC DNA MARKERS  
 : NUMBER OF SEQUENCES: 9  
 : CORRESPONDENCE ADDRESS:

: ADDRESSEE: Lowe, Price, LeBlanc & Becker  
 : STREET: Suite 300, 99 Canal Center Plaza  
 : CITY: Alexandria  
 : STATE: Virginia  
 : COUNTRY: USA  
 : ZIP: 22314

: COMPUTER READABLE FORM:  
 : MEDIUM TYPE: Floppy disk

```

1  COMPUTER: IBM PC compatible
2  OPERATING SYSTEM: PC-DOS/MS-DOS
3  SOFTWARE: DOS Text File
4  CURRENT APPLICATION DATA:
5  APPLICATION NUMBER: US/08/480-366
6  FILING DATE:
7  CLASSIFICATION: 435
8  ATTORNEY/AGENT INFORMATION:
9  NAME: J.G. Mullis
10 REGISTRATION NUMBER: 43074
11 REFERENCE/DOCKET NUMBER: 717081
12 TELECOMMUNICATION INFORMATION:
13 TELEPHONE: 703 684 1111
14 INFORMATION FOR SEQ ID NO: 9:
15 SEQUENCE CHARACTERISTICS:
16 LENGTH: 243
17 TYPE: nucleic acid
18 STRANDEDNESS: single
19 TOPOLOGY: linear
20 MOLECULE TYPE: DNA (genomic)
21 US-08-480-366-9

```

```

Alignment Scores:
Pred. No.: 298 Length: 243
Score: 25.00 Matches: 5
Percent Similarity: 100.00% Conservations: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 1 Gaps: 0

```

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US-09-856-070-16 (1-5) x US-08-480-366-9 (1-243)
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QY 1 GluArqGluLysGlu 5
    |||||
DB 104 GAGAGAGAGAGAGAA 118

```

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RESULT 13
US-07-952-277A-9
: Sequence 9, Application US/07/952-277A
: Patent No. 5861504
: GENERAL INFORMATION:
: APPLICANT: Drs. Michael H. Polymetopoulos
: APPLICANT: and Carl R. Merrill
: TITLE OF INVENTION: ELEVEN HIGHLY INFORMATIVE
: TITLE OF INVENTION: REPEAT POLYMORPHIC DNA MARKERS
: NUMBER OF SEQUENCES: 85
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Lowe, Price, LeBlanc & Hocker
: STREET: Suite 300, 99 Canal Center Plaza
: CITY: Alexandria
: STATE: Virginia
: COUNTRY: USA
: ZIP: 22314
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: DOS Text File
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/07/952-277A
: FILING DATE:
: CLASSIFICATION: 435
: ATTORNEY/AGENT INFORMATION:
: NAME: D.J. Mills
: REGISTRATION NUMBER: 44506
: REFERENCE/DOCKET NUMBER: 717081C
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 703 684 1111
: INFORMATION FOR SEQ ID NO: 9:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 243
: TYPE: nucleic acid
: STRANDEDNESS: single

```

```

: TOPOLOGY: linear
: MOLECULE TYPE: DNA (genomic)
US-07-952-277A-9
Alignment Scores:
Pred. No.: 298 Length: 243
Score: 25.00 Matches: 5
Percent Similarity: 100.00% Conservations: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 2 Gaps: 0
US-09-856-070-16 (1-5) x US-07-952-277A-9 (1-243)
QY 1 GluArqGluLysGlu 5
    |||||
DB 104 GAGAGAGAGAGAGAA 118
RESULT 14
US-08-480-552-16
: Sequence 16, Application US/08480552
: Patent No. 5665550
: GENERAL INFORMATION:
: APPLICANT: Gudkov, Andrei
: APPLICANT: Roninson, Igor H.
: TITLE OF INVENTION: Genes And Genetic Elements Associated
: TITLE OF INVENTION: With Sensitivity To Chemotherapeutic Drugs
: NUMBER OF SEQUENCES: 22
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Allegretti & Witcoff, Ltd.
: STREET: 75 State Street
: CITY: Boston
: STATE: Massachusetts
: COUNTRY: U.S.A.
: ZIP: 02109
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patent In Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/480,552
: FILING DATE: 07-JUN-1995
: CLASSIFICATION: 435
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 08/043,086
: FILING DATE: 09 MAR 1993
: ATTORNEY/AGENT INFORMATION:
: NAME: Koon, Wayne A.
: REGISTRATION NUMBER: 33,923
: REFERENCE/DOCKET NUMBER: 93,354
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 617/345-9100
: TELEFAX: 617/345-9111
: INFORMATION FOR SEQ ID NO: 16:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 250 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: MOLECULE TYPE: cDNA
: HYPOTHEICAL: NO
US-08-480-552-16
Alignment Scores:
Pred. No.: 307 Length: 250
Score: 25.00 Matches: 5
Percent Similarity: 100.00% Conservations: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 1 Gaps: 0
US-09-856-070-16 (1-5) x US-08-480-552-16 (1-250)

```

QY 1 GluArqGluLysGlu 5  
 |||  
 Db 9 CACCGGACAGACAG 23

## RESULT 15

US-08-929-208-16  
 : Sequence 16, Application US/08929208  
 : Patent No. 6060244  
 : GENERAL INFORMATION:  
 : APPLICANT: Gudkov, Andrei  
 : APPLICANT: Roninson, Igor B.  
 : TITLE OF INVENTION: Genes And Genetic Elements Associated  
 : WITH SENSITIVITY TO CHEMOTHERAPEUTIC DRUGS  
 : NUMBER OF SEQUENCES: 22  
 : CORRESPONDENCE ADDRESS:  
 : ADDRESSEE: Allegretti & Witcoff, Ltd.  
 : STREET: 75 State Street  
 : CITY: Boston  
 : STATE: Massachusetts  
 : COUNTRY: U.S.A.  
 : ZIP: 02109  
 : COMPUTER READABLE FORM:  
 : MEDIUM TYPE: Floppy disk  
 : COMPUTER: IBM PC compatible  
 : OPERATING SYSTEM: PC-DOS/MS-DOS  
 : SOFTWARE: Patent in Release #1.0, Version #1.25  
 : CURRENT APPLICATION DATA:  
 : APPLICATION NUMBER: US/08/929,208  
 : FILING DATE:  
 : CLASSIFICATION:  
 : PRIOR APPLICATION DATA:  
 : APPLICATION NUMBER: 08/480,552  
 : FILING DATE:  
 : ATTORNEY/AGENT INFORMATION:  
 : NAME: Keowd, Wayne A.  
 : REGISTRATION NUMBER: 33,923  
 : REFERENCE/DOCKET NUMBER: 93,354  
 : TELECOMMUNICATION INFORMATION:  
 : TELEPHONE: 617/345-9100  
 : TELEFAX: 617/345-9111  
 : INFORMATION FOR SEQ ID NO: 16:  
 : SEQUENCE CHARACTERISTICS:  
 : LENGTH: 250 base pairs  
 : TYPE: nucleic acid  
 : STRANDEDNESS: single  
 : TOPOLOGY: linear  
 : MOLECULE TYPE: cDNA  
 : HYPOTHETICAL: NO  
 : US-08-929-208-16

Alignment Scores:  
 Prod. No.: 307  
 Score: 25.00  
 Percent Similarity: 100.00%  
 Best Local Similarity: 100.00%  
 Query Match: 100.00%  
 DB: 3  
 Length: 250  
 Matches: 5  
 Conservative: 0  
 Mismatches: 0  
 Indels: 0  
 Gaps: 0

US-09-856-070-16 (1-5) x US-08-929-208-16 (1-250)

QY 1 GluArqGluLysGlu 5  
 |||  
 Db 9 CACCGGACAGACAG 23

Search completed: January 16, 2003, 21:41:09  
 Job time: 18.1429 secs

